

WHAT IS CLAIMED IS:

1. A recorded information evaluation method comprising the steps of:

5 optically obtaining, from an optical disc on which physical address information is recorded in the form of phase modulation of a groove wobble, a wobble signal that is affected by the groove wobble;

phase-detecting the wobble signal;

10 feeding the phase-detected waveform obtained by the phase detection into a low-pass filter; and

deciding the value of  $\sigma/T$  calculated from the standard deviation  $\sigma$  of a jitter distribution obtained from the output of the low-pass filter and the period  $T$  of a symbol clock for the phase modulation to thereby  
15 evaluate the reliability of the recorded physical address information.

2. The recorded information evaluation method according to claim 1, wherein the criterion of evaluation is set such that  $\sigma/T$  is less than 12%.

20 3. A recorded information evaluation method comprising the steps of:

optically obtaining, from an optical disc on which physical address information is recorded in the form of phase modulation of a groove wobble, a wobble signal

25 that is affected by the groove wobble;

phase-detecting the wobble signal;

feeding the phase-detected waveform obtained by

the phase detection into a low-pass filter; and

deciding an estimated error rate calculated from  
the standard deviation  $\sigma$  and the mean  $\mu$  of a  
distribution of amplitude absolute values obtained from  
the output of the low-pass filter to thereby evaluate  
the reliability of the recorded physical address  
information.

4. The recorded information evaluation method  
according to claim 3, wherein the criterion of  
evaluation is set such that the estimated error rate is  
less than  $1E-3$ .

5. A recorded information evaluation device  
comprising:

means for optically obtaining, from an optical  
disc on which physical address information is recorded  
in the form of phase modulation of a groove wobble, a  
wobble signal that is affected by the groove wobble;

means for phase-detecting the wobble signal;

means for low-pass filtering the phase-detected  
waveform output from the means of phase-detecting; and

means for calculating and deciding the value of  
 $\sigma/T$  calculated from the standard deviation  $\sigma$  of a  
jitter distribution obtained from the output of the  
means of low-pass filtering and the period  $T$  of a  
symbol clock for the phase modulation to thereby  
evaluate the reliability of the recorded physical  
address information.

6. A recorded information evaluation device comprising:

means for optically obtaining, from an optical disc on which physical address information is recorded in the form of phase modulation of a groove wobble, a wobble signal that is affected by the groove wobble;

means for phase-detecting the wobble signal;

means for low-pass filtering the phase-detected waveform output from the means of phase-detecting; and

means for calculating and deciding an estimated error rate calculated from the standard deviation  $\sigma$  and the mean  $\mu$  of a distribution of amplitude absolute values obtained from the output of the means of low-pass filtering to thereby evaluate the reliability of the recorded physical address information.

7. An optical disc on which physical address information is recorded in the form of phase modulation of a groove wobble and in which, by optically obtaining, from the optical disc, a wobble signal that is affected by the groove wobble, phase-detecting the wobble signal, and feeding the phase-detected waveform obtained by the phase detection into a low-pass filter, the value of  $\sigma/T$  calculated from the standard deviation  $\sigma$  of a jitter distribution obtained from the output of the low-pass filter and the period  $T$  of a symbol clock for the phase modulation is less than 12%.

8. An optical disc on which physical address

information is recorded in the form of phase modulation  
of a groove wobble and in which, by optically obtaining,  
from the optical disc, a wobble signal that is affected  
by the groove wobble, phase-detecting the wobble signal,  
5 and feeding the phase-detected waveform obtained by the  
phase detection into a low-pass filter, an estimated  
error rate calculated from the standard deviation  $\sigma$  and  
the means  $\mu$  of a distribution of amplitude absolute  
values obtained from the output of the low-pass filter  
10 is less than  $1E-3$ .